

ABSTRACT OF THE DISCLOSURE

In a process of producing an aromatic compound isomer substituted with alkyl group(s) and/or halogen atom(s), through adsorptive separation by the use of a zeolite-containing adsorbent and a desorbent, the desorbent is, after having been processed for removing impurities from it, supplied to the adsorptive separation step. In the process, the adsorbent used is prevented from being degraded, and its life is prolonged to efficiently separate an aromatic compound isomer mixture into individual isomers.